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                 CAS REGISTRY includes selected substances from
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                 enhanced for more flexible patent number searching
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                 comprehensive access to substance and sequence
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to accommodate supplemental CAS indexing of exemplified prophetic substances

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NEWS 30 SEP 29 IFICLS enhanced with new super search field NEWS 31 SEP 29 EMBASE and EMBAL enhanced with new search and display fields

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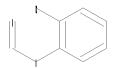
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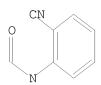


chain nodes : 1 2 3 10 ring nodes : 4 5 6 7 8 9 chain bonds : 1-2 1-5 2-10 3-4 ring bonds : 4-5 4-6 5-9 6-7 7-8 8-9 exact/norm bonds : 1-2 1-5 2-10 exact bonds : 3 - 4normalized bonds : 4-5 4-6 5-9 6-7 7-8 8-9 isolated ring systems : containing 4 :

Match level:
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS

L1 STRUCTURE UPLOADED

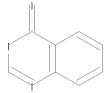
=> d l1 L1 HAS NO ANSWERS L1 STR



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chain nodes :

11

ring nodes :

1 2 3 4 5 6 7 8 9 10

chain bonds :

4 - 11

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10

exact/norm bonds :

1-2 1-6 2-3 3-4 4-5 4-11

normalized bonds :

5-6 5-7 6-10 7-8 8-9 9-10

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:CLASS

L2 STRUCTURE UPLOADED

=> d L2

L2 HAS NO ANSWERS

L2 STR

Structure attributes must be viewed using STN Express query preparation.

=> s L1 and L2

SAMPLE SEARCH INITIATED 14:19:25 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 95 TO ITERATE

100.0% PROCESSED 95 ITERATIONS 8 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 1316 TO 2484
PROJECTED ANSWERS: 8 TO 329

L3 8 SEA SSS SAM L1 AND L2

=> s L1 full

FULL SEARCH INITIATED 14:19:46 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 79277 TO ITERATE

100.0% PROCESSED 79277 ITERATIONS 12487 ANSWERS

SEARCH TIME: 00.00.01

L4 12487 SEA SSS FUL L1

=> s 12 full

FULL SEARCH INITIATED 14:19:53 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1388707 TO ITERATE

72.0% PROCESSED 1000000 ITERATIONS INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED) SEARCH TIME: 00.00.06

193351 ANSWERS

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 1388707 TO 1388707
PROJECTED ANSWERS: 266955 TO 270059

L5 193351 SEA SSS FUL L2

=> file caplus

COST IN U.S. DOLLARS
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ENTRY SESSION
FULL ESTIMATED COST
357.18
357.39

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Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

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FILE 'REGISTRY' ENTERED AT 14:18:18 ON 29 SEP 2008 STRUCTURE UPLOADED

L1 STRUCTURE UPLOADED L2 STRUCTURE UPLOADED

L3 8 S L1 AND L2

L4 12487 S L1 FULL

L5 193351 S L2 FULL

FILE 'CAPLUS' ENTERED AT 14:20:09 ON 29 SEP 2008

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L6
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           603 CYCLISATION
L7
             5 L6 AND (CYCLIZATION OR CYCLISATION)
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YOU HAVE REQUESTED DATA FROM 5 ANSWERS - CONTINUE? Y/(N):y
    ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2007:565402 CAPLUS
DOCUMENT NUMBER:
                         147:9942
                         Quinazolines useful as modulators of voltage gated ion
TITLE:
                         channels and their preparation, pharmaceutical
                         compositions and use in the treatment of diseases
                         Wilson, Dean; Fanning, Lev T. D.; Krenitsky, Paul;
INVENTOR(S):
                         Termin, Andreas; Joshi, Pramod; Sheth, Urvi
                         Vertex Pharmaceuticals Incorporated, USA
PATENT ASSIGNEE(S):
                         PCT Int. Appl., 133pp.
SOURCE:
                         CODEN: PIXXD2
DOCUMENT TYPE:
                         Patent
LANGUAGE:
                         English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:
                                                                   DATE
     PATENT NO. KIND DATE APPLICATION NO.
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      A2
      20070524

      WO 2007058989
      A3
      20070907

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WO 2006-US43895 W 20061113
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                         A 20080811
PRIORITY APPLN. INFO.:
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GΙ

OTHER SOURCE(S): MARPAT 147:9942

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AΒ The invention relates to compds. of formula I useful as inhibitors of voltage-gate sodium channels. Compds. of formula I where squiggle line indicated either (R) - or (S) stereochem.; R is R is H and (un) substituted C1-6 aliphatic; R3, R4 and R5 are independently Q-Rx; Q is bond and C1-6 alkylidene, etc.; Rx is halo, =NH and derivs., NO2, CN, OH and derivs., SH and derivs., etc.; and their pharmaceutically acceptable salts thereof, are claimed. The invention also provides pharmaceutically acceptable compns. comprising the compds. of the invention and methods of using the compns. in the treatment of various disorders. Example compound II was prepared by amidation of 2-fluoro-6-methoxybenzoic acid with 2-amino-4-methylbenzonitrile; the resulting N-(2-cyano-5-methylphenyl)-2fluoro-6-methoxybenzamide underwent cyclization to give 2-(2-fluoro-6-methoxyphenyl)-7-methyl-3H-quinazolin-4-one, which underwent chlorination to give 4-chloro-2-(2-fluoro-6-methoxyphenyl)-7methylquinazoline, which underwent demethylation to give 2-(4-chloro-7-methylquinazolin-2-yl)-3-fluorophenol, which underwent amination with (R)-benzyl pyrrolidin-3-ylcarbamate to give (R)-benzyl 1-[2-(2-fluoro-6-hydroxyphenyl)-7-methylquinazolin-4-yl]pyrrolidin-3-1-[2-(2-fluoro-6-hydroxyphenyl)-7-methylquinazolin-4-yl]pyrrolidin-3-1-[2-(2-fluoro-6-hydroxyphenyl)-7-methylquinazolin-4-yl]pyrrolidin-3-1-[2-(2-fluoro-6-hydroxyphenyl)-7-methylquinazolin-4-yl]pyrrolidin-3-1-[2-(2-fluoro-6-hydroxyphenyl)-7-methylquinazolin-4-yl]pyrrolidin-3-1-[2-(2-fluoro-6-hydroxyphenyl)-7-methylquinazolin-4-yl]pyrrolidin-3-1-[2-(2-fluoro-6-hydroxyphenyl)-7-methylquinazolin-4-yl]pyrrolidin-3-1-[2-(2-fluoro-6-hydroxyphenyl)-7-methylquinazolin-4-yl]pyrrolidin-3-1-[2-(2-fluoro-6-hydroxyphenyl)-7-methylquinazolin-4-yl]pyrrolidin-3-1-[2-(2-fluoro-6-hydroxyphenyl)-7-methylquinazolin-4-yl]pyrrolidin-3-1-[2-(2-fluoro-6-hydroxyphenyl)-7-methylquinazolin-4-yl]pyrrolidin-3-1-[2-(2-fluoro-6-hydroxyphenyl)-7-methylquinazolin-4-yl]pyrrolidin-3-1-[2-(2-fluoro-6-hydroxyphenyl)-7-methylquinazolin-4-yl]pyrrolidin-3-1-[2-(2-fluoro-6-hydroxyphenyl)-7-methylquinazolin-4-yl]pyrrolidin-3-1-[2-(2-fluoro-6-hydroxyphenyl)-7-methylquinazolin-4-yl]pyrrolidin-3-1-[2-(2-fluoro-6-hydroxyphenyl)-7-methylquinazolin-4-yl]pyrrolidin-3-[2-(2-fluoro-6-hydroxyphenyl)-7-methylquinazolin-4-yl]pyrrolidin-3-[2-(2-fluoro-6-hydroxyphenyl)-7-methylquinazolin-4-yl]pyrrolidin-3-[2-(2-fluoro-6-hydroxyphenyl)-7-methylquinazolin-4-yl]pyrrolidin-3-[2-(2-fluoro-6-hydroxyphenyl)-7-methylquinazolin-4-yl]pyrrolidin-3-[2-(2-fluoro-6-hydroxyphenyl)-7-methylquinazolin-4-yl]pyrrolidin-3-[2-(2-fluoro-6-hydroxyphenyl)-7-methylquinazolin-4-yl]pyrrolidin-3-[2-(2-fluoro-6-hydroxyphenyl)-7-methylquinazolin-4-yl]pyrrolidin-3-[2-(2-fluoro-6-hydroxyphenyl)-7-methylquinazolin-4-yl]pyrrolidin-3-[2-(2-fluoro-6-hydroxyphenyl)-7-methylquinazolin-4-yl]pyrrolidin-3-[2-(2-fluoro-6-hydroxyphenyl)-7-methylquinazolin-4-yl]pyrrolidin-3-[2-(2-fluoro-6-hydroxyphenyl)-7-methylquinazolin-4-yl]pyrrolidin-3-[2-(2-fluoro-6-hydroxyphenyl)-7-methylquinazolin-4-ylloxyphenyl-4-ylloxyphenyl-4-ylloxyphenyl-4-ylloxyphenyl-4-ylloxyphenyl-4-ylloxyphenyl-4-ylloxyphenyl-4-ylloxyphenyl-4-ylloxyphenyl-4-ylloxyphenyl-4-ylylcarbamate, which underwent hydrogenation to give (R)-2-[4-(3aminopyrrolidin-1-yl)-7-methylquinazolin-2-yl]-3-fluorophenol, which underwent acylation with 2-methoxyethyl chloroformate to give compound II-TFA. All the invention compds. were evaluated for their NaV inhibitory activity. From the assay, it was determined that compound II exhibited IC50 value between 1 μM and 5 μM .

IT 757982-22-2P 757982-24-4P 879274-73-4P 879274-77-8P 879274-78-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(intermediate; preparation of quinazoline compds. as inhibitors of voltage-gated sodium channels useful useful useful in treatment of various disorders)

RN 757982-22-2 CAPLUS

CN Benzamide, N-(2-cyano-5-methylphenyl)-2-methoxy- (CA INDEX NAME)

RN 757982-24-4 CAPLUS

CN 4(3H)-Quinazolinone, 2-(2-methoxyphenyl)-7-methyl- (CA INDEX NAME)

RN 879274-73-4 CAPLUS

CN 4(3H)-Quinazolinone, 6-fluoro-2-(2-methoxyphenyl)- (CA INDEX NAME)

RN 879274-77-8 CAPLUS

CN Benzamide, N-(2-cyano-5-methylphenyl)-2-fluoro-6-methoxy- (CA INDEX NAME)

RN 879274-78-9 CAPLUS

CN 4(3H)-Quinazolinone, 2-(2-fluoro-6-methoxyphenyl)-7-methyl- (CA INDEX NAME)

L7 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:120895 CAPLUS

DOCUMENT NUMBER: 142:198095

TITLE: A preparation of quinazolin-4-ones via

cyclization of N-(cyanophenyl)acetamide

derivatives

INVENTOR(S): Godfrey, Andrew Aydon

PATENT ASSIGNEE(S): BTG International Limited, UK

SOURCE: PCT Int. Appl., 29 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PA:	PATENT NO.					KIND		DATE		APPLICATION NO.						DATE			
	2005012260 2005012260								WO 2004-GB3141						20040720				
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GI GI	JURCE	(5):			CAS.	KLAC	.1 14	Z : 19	8095	; MA	KPAI	142	:198	095					

The invention relates to a preparation of quinazolin-4-one derivs. of formula I [wherein: R1 and R2 are independently H or Me; Y is a protecting group; X is a leaving group], useful as intermediates in preparation of antitumor agents. The invention compds. I were prepared via cyclization of amides of formula II. For instance, quinazolin-4-one derivative III•HBr (Z = Br, M = H) was prepared via intramol. cyclization of N-(cyanophenyl)acetamide derivative IV, N-protection of the obtained quinazoline derivative III (Z = OAc; M = H) by chloromethyl pivalate, and subsequent bromination (yields: cyclization - 87%, bromination -

IV

IT 247904-63-8P 838858-84-7P 838858-85-8P 838858-86-9P 838858-87-0P

RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (synthesis of quinazolin-4-one derivs. useful as intermediates in preparation of antitumor agents)

RN 247904-63-8 CAPLUS

CN 2H-Tetrazole-5-butanoic acid, $\alpha-[[4-[[3-[(2,2-dimethyl-1-oxopropoxy)methyl]-3,4-dihydro-2,7-dimethyl-4-oxo-6-quinazolinyl]methyl]-2-propyn-1-ylamino]-2-fluorobenzoyl]amino]-, methyl ester, (<math>\alpha$ S)- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A

PAGE 1-B

__ Bu-t

RN 838858-84-7 CAPLUS

CN Propanoic acid, 2,2-dimethyl-, [6-(bromomethyl)-2,7-dimethyl-4-oxo-3(4H)-quinazolinyl]methyl ester, hydrobromide (1:1) (CA INDEX NAME)

$$\begin{array}{c|c} \text{Me} & \text{N} & \text{Me} \\ & \text{O} & \text{N} & \text{O} \\ & \text{CH}_2 - \text{O} - \text{C} - \text{Bu-t} \end{array}$$

• HBr

RN 838858-85-8 CAPLUS

CN Propanoic acid, 2,2-dimethyl-, [6-[(acetyloxy)methyl]-2,7-dimethyl-4-oxo-3(4H)-quinazolinyl]methyl ester (CA INDEX NAME)

RN 838858-86-9 CAPLUS

CN 4(3H)-Quinazolinone, 6-[(acetyloxy)methyl]-2,7-dimethyl- (CA INDEX NAME)

RN 838858-87-0 CAPLUS

CN Acetamide, N-[4-[(acetyloxy)methyl]-2-cyano-5-methylphenyl]- (CA INDEX NAME)

L7 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:310972 CAPLUS

DOCUMENT NUMBER: 140:321379

TITLE: Preparation of aminoquinazoline protein kinase B

inhibitors as anticancer agents

INVENTOR(S): Barnickel, Gerhard; Eggenweiler, Hans-Michael;

Eiermann, Volker; Gericke, Rolf; Rautenberg, Wilfried;

Sirrenberg, Christian; Scharm, Burkhard

PATENT ASSIGNEE(S): Merck Patent G.m.b.H., Germany

SOURCE: PCT Int. Appl., 89 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT	KIN	D	DATE			APPL:	ICAT:	ION 1	DATE							
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	TR,	TT,	TZ,	UA,	UG,	US,	UZ,	VC,	VN,	YU,	ZA,	ZM,	ZW			
RW:	GH,	GM,	KΕ,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	ΑM,	ΑZ,	BY,
	KG,	KΖ,	MD,	RU,	ΤJ,	TM,	ΑT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	EE,	ES,
	FΙ,	FR,	GB,	GR,	HU,	ΙE,	ΙΤ,	LU,	MC,	NL,	PT,	RO,	SE,	SI,	SK,	TR,
	BF,	ΒJ,	CF,	CG,	CI,	CM,	GA,	GN,	GQ,	GW,	$\mathrm{ML}_{m{\prime}}$	MR,	ΝE,	SN,	TD,	ΤG
AU 2003	A1 20040423					AU 2	003-	2554	20030825							
PRIORITY APP						EP 2002-22151										
					WO 2003-EP9392					92	W 20030825					

OTHER SOURCE(S): MARPAT 140:321379

GΙ

$$R^2$$
 R^3 R^3 R^4 R^4 R^4 R^4 R^4 R^4 R^4 R^4

AΒ Title compds. I [wherein R and R1 = independently H, alkyl, OH, alkoxy, halo, N(R5)2, NO2, CN, CHO, alkanoyl, CON(R5)2, CO2R5, allyl, CH=CHCO2R5, $CH=CHCON(R5)_2$, alkylsulfonyl, or (un)substituted Ph; R2 and R3 = independently H, (cyclo)alkyl, (un)substituted heterocyclyl(alkyl), alkoxy(alkyl), amino(alkyl), aryl(alkyl), etc.; or NR2R3 = (un)substituted heterocyclyl; R4 = aryl or substituted thiophenyl; R5 = H or alkyl; Y = a direct bond, (CH2)n, or NR5(CH2)m; m = 0-6; n = 1-6; and pharmaceutically tolerable salts and solvates thereof] were prepared as protein kinase B (PKB or Akt or RAC) inhibitors. For example, amidation of 2-amino-4chlorobenzonitrile with 4-bromobenzoyl chloride in the presence of pyridine in THF afforded 4-bromo-N-(5-chloro-2-cyanophenyl)benzamide. Reduction using NaOH and perhydrite tablets in MeOH, followed by cyclization with NaOH in dioxane gave 2-(4-bromophenyl)-7-chloro-3H-quinazolin-4-one. Reaction with thionyl chloride in DMF provided 2-(5-bromophenyl)-4,7-dichloroquinazoline, which was coupled with 4-(4,6-dimethoxypyrimidin-2-yl)aniline in THF to give II. The latter inhibited PKB with IC50 of 0.0000066 M. Thus, I and their pharmaceutical compns. are useful for the treatment of hyperproliferative disorders, such as cancer, psoriasis, arthritis, inflammation, endometriosis, scarring, or benign prostatic hyperplasia (no data).

ΙI

IT 405933-91-7P, 4-Bromo-N-(5-chloro-2-cyanophenyl)benzamide 405933-93-9P, 2-(4-Bromophenyl)-7-chloro-3H-quinazolin-4-one RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

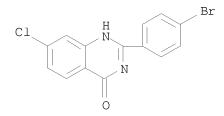
(intermediate; preparation of aminoquinazoline PKB inhibitors as anticancer agents)

RN 405933-91-7 CAPLUS

CN Benzamide, 4-bromo-N-(5-chloro-2-cyanophenyl)- (CA INDEX NAME)

RN 405933-93-9 CAPLUS

CN 4(3H)-Quinazolinone, 2-(4-bromophenyl)-7-chloro- (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2001:574519 CAPLUS

DOCUMENT NUMBER: 135:371701

TITLE: Synthesis and X-ray characterization of a new polycondensed heterocycle obtained by a novel

Mn(III)-mediated cascade reaction of 2-cyanophenyl

isothiocyanate

AUTHOR(S): Calestani, G.; Capella, L.; Leardini, R.; Minozzi, M.;

Nanni, D.; Papa, R.; Zanardi, G.

CORPORATE SOURCE: Dipartimento di Chimica Organica 'A. Mangini',

Universita di Bologna, Bologna, I-40136, Italy

SOURCE: Tetrahedron (2001), 57(33), 7221-7233

CODEN: TETRAB; ISSN: 0040-4020

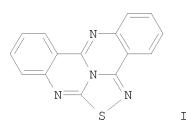
PUBLISHER: Elsevier Science Ltd.

DOCUMENT TYPE: Journal LANGUAGE: English

OTHER SOURCE(S): CASREACT 135:371701

GI

AΒ



or acetonitrile to give fair yields of a new polycondensed heterocycle (I), arising from the joining together of two mols. of the starting isothiocyanate with loss of a CS moiety. The yields were close to 90% when the reaction was carried out in the presence of di-Et malonate. I was unambiguously identified by X-ray crystallog. Under the same conditions, 2-(methoxycarbonyl)phenyl isothiocyanate gave a quinazolinimine derivative instead, which is likely to arise from cyclization of an intermediate N,N'-diarylthiourea. The mechanism of formation of the former compound probably involves formation of a N,N'-bis(2-cyanophenyl)thiourea, followed by rearrangement and radical tandem ring closure of the corresponding cyclic imine derivative This hypothesis is also supported by semiempirical calcus.

IT 25116-00-1P, N-(2-Cyanophenyl)acetamide 309940-88-3P 374567-55-2P

RL: SPN (Synthetic preparation); PREP (Preparation) (preparation and x-ray characterization of new polycondensed heterocycle obtained by novel Mn(III)-mediated cascade reaction of 2-cyanophenyl isothiocyanate)

RN 25116-00-1 CAPLUS

CN Acetamide, N-(2-cyanophenyl)- (CA INDEX NAME)

RN 309940-88-3 CAPLUS

CN Benzoic acid, 2-(1,4-dihydro-4-oxo-2-thioxo-3(2H)-quinazolinyl)-, methyl ester (CA INDEX NAME)

RN 374567-55-2 CAPLUS

CN Benzonitrile, 2-(1,4-dihydro-4-oxo-2-thioxo-3(2H)-quinazolinyl)- (CA INDEX NAME)

64 THERE ARE 64 CITED REFERENCES AVAILABLE FOR THIS REFERENCE COUNT: RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN L7

ACCESSION NUMBER: 2000:68948 CAPLUS

DOCUMENT NUMBER: 132:251284

TITLE: Total Synthesis of the Fumiguinazoline Alkaloids:

Solution-Phase Studies

AUTHOR(S): Wang, Haishan; Ganesan, A.

CORPORATE SOURCE: Institute of Molecular and Cell Biology, National University of Singapore, Singapore, 117609, Singapore Journal of Organic Chemistry (2000), 65(4), 1022-1030 SOURCE:

CODEN: JOCEAH; ISSN: 0022-3263

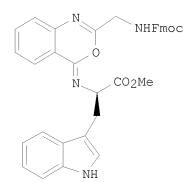
PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal English LANGUAGE:

OTHER SOURCE(S): CASREACT 132:251284

Ι

GΙ



TT

- AΒ Biomimetic total syntheses of glyantrypine (I), fumiquinazoline F, fumiquinazoline G, and fiscalin B were achieved in four steps from tryptophan Me ester. In the key step, the anthranilamide residue in a linear tripeptide is dehydrated to a benzoxazine, e.g. II, by reaction with triphenylphosphine, iodine, and a tertiary amine. The benzoxazines subsequently undergo rearrangement to the natural products via an amidine intermediate. This dehydrative oxazine to quinazoline route is applicable to a broad range of N-acylanthranilamides, including sterically hindered cases.
- 262590-30-7P 262590-45-4P ΤТ

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(total synthesis of fumiquinazoline alkaloids, solution-phase studies)

RN 262590-30-7 CAPLUS

2H-Pyrazino[2,1-b]quinazoline-3,6(1H,4H)-dione, 4-(1H-indol-3-ylmethyl)-1-CN (phenylmethyl) -, (1S, 4R) - (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

10/562,112

RN 262590-45-4 CAPLUS

CN 2H-Pyrazino[2,1-b]quinazoline-3,6(1H,4H)-dione, 4-(1H-indol-3-ylmethyl)-1-(phenylmethyl)-, (1R,4R)- (CA INDEX NAME)

Absolute stereochemistry.

IT 262590-34-1P 262590-43-2P

RL: SPN (Synthetic preparation); PREP (Preparation) (total synthesis of fumiquinazoline alkaloids, solution-phase studies)

RN 262590-34-1 CAPLUS

CN 2-Quinolinecarboxamide, N-(2-cyanophenyl)- (CA INDEX NAME)

RN 262590-43-2 CAPLUS

CN 2H-Pyrazino[2,1-b]quinazoline-3,6(1H,4H)-dione, 4-(1H-indol-3-ylmethyl)-1-methyl-, (1R,4S)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L1

(FILE 'HOME' ENTERED AT 14:18:11 ON 29 SEP 2008)

FILE 'REGISTRY' ENTERED AT 14:18:18 ON 29 SEP 2008

STRUCTURE UPLOADED

STRUCTURE UPLOADED L2

L3 8 S L1 AND L2

12487 S L1 FULL L4

193351 S L2 FULL L5

FILE 'CAPLUS' ENTERED AT 14:20:09 ON 29 SEP 2008

L6 43 S L4 AND L5

L7 5 S L6 AND (CYCLIZATION OR CYCLISATION)

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STN INTERNATIONAL LOGOFF AT 14:22:16 ON 29 SEP 2008